

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010623\  
 Data File : BF131945.D  
 Acq On : 06 Jan 2023 17:24  
 Operator : CG\JU  
 Sample : 01029-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 07 00:22:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 23:58:27 2023  
 Response via : Initial Calibration

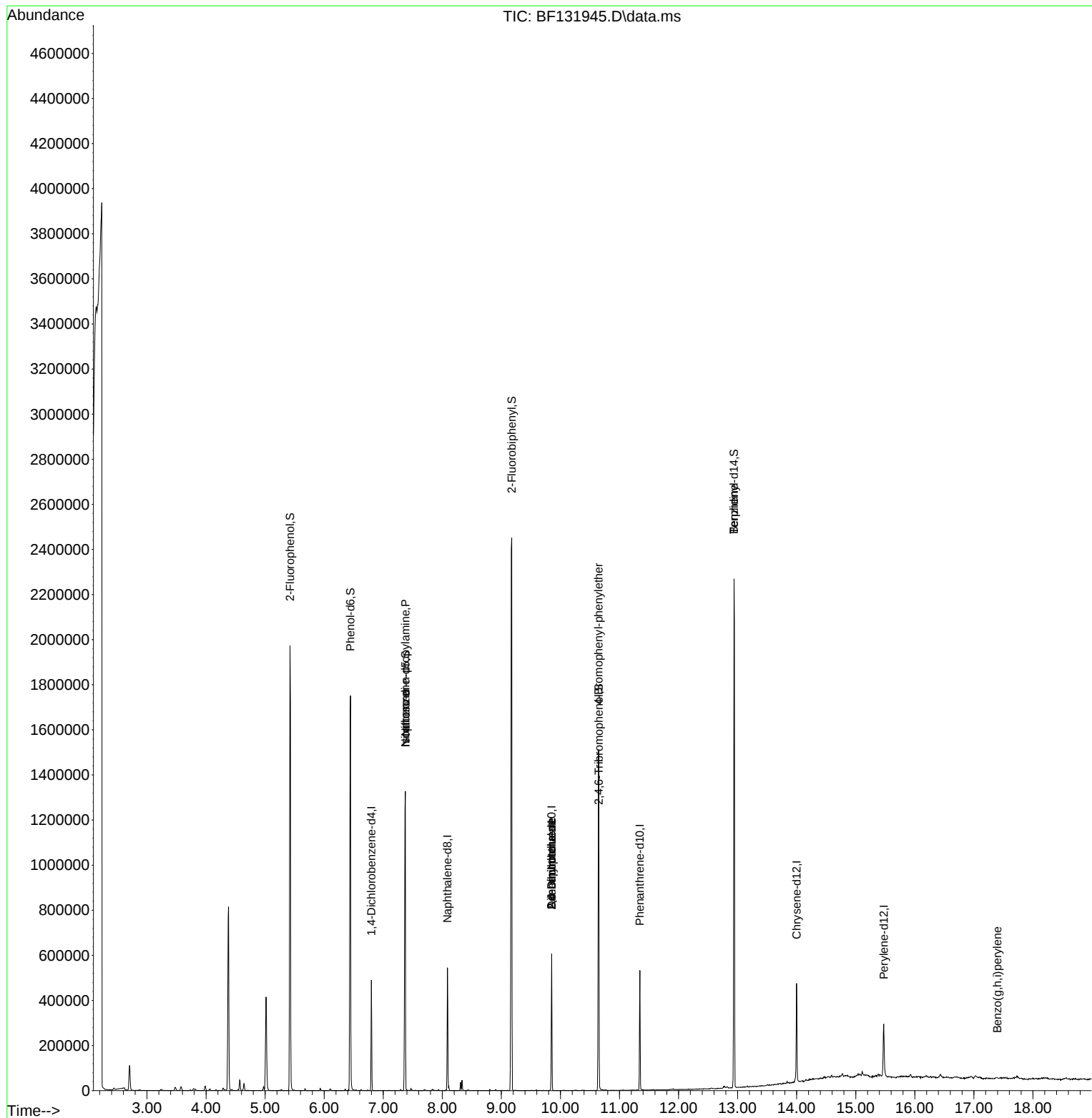
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 60235    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.086  | 136  | 210893   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.851  | 164  | 104876   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 172551   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 137131   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.474 | 264  | 101327   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 516409   | 142.077 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 607745   | 127.268 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 489979   | 92.761  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 156535   | 137.374 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 823708   | 107.580 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 795999   | 98.187  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 67722    | 20.080  | ng    | # 80     |
| 25) Isophorone                | 7.375  | 82   | 489976   | 56.801  | ng    | # 69     |
| 50) Dimethylphthalate         | 9.851  | 163  | 21261    | 2.680   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.851  | 165  | 14186    | 8.259   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.851  | 165  | 14186    | 6.039   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 10919    | 5.460   | ng    | # 1      |
| 77) Benzidine                 | 12.939 | 184  | 12731    | 5.649   | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 2294     | 5.575   | ng    | # 81     |
| -----                         |        |      |          |         |       |          |

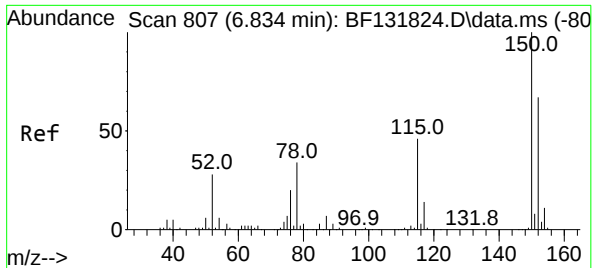
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010623\  
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Sample : 01029-05  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

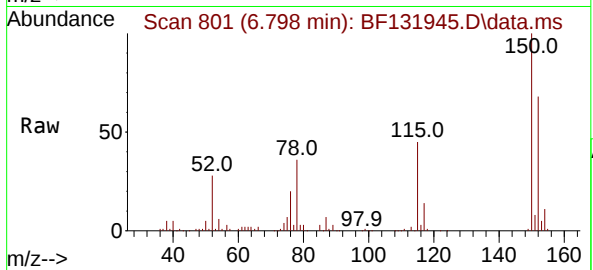
Quant Time: Jan 07 00:22:58 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 06 23:58:27 2023  
Response via : Initial Calibration



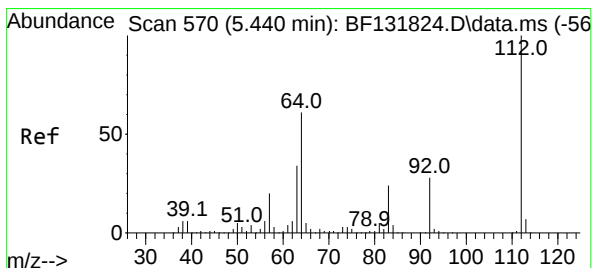
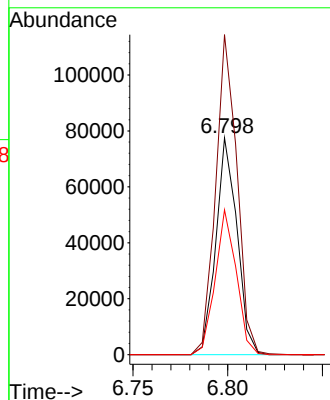
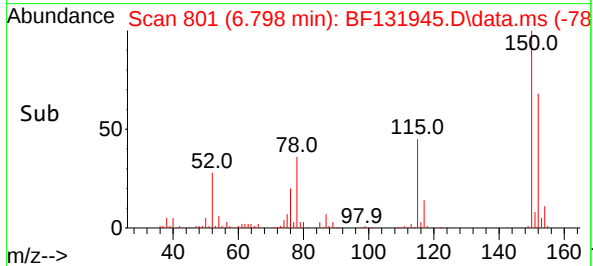


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 801  
 Delta R.T. 0.000 min  
 Lab File: BF131945.D  
 Acq: 06 Jan 2023 17:24

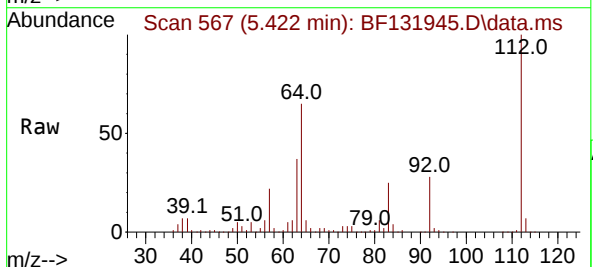
Instrument :  
 BNA\_F  
 ClientSampleId :



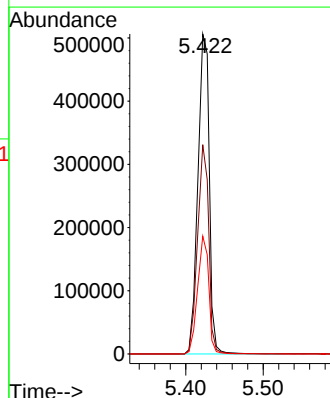
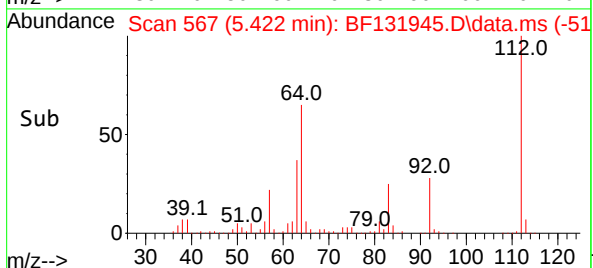
Tgt Ion:152 Resp: 60235  
 Ion Ratio Lower Upper  
 152 100  
 150 147.6 120.0 180.0  
 115 66.8 55.1 82.7

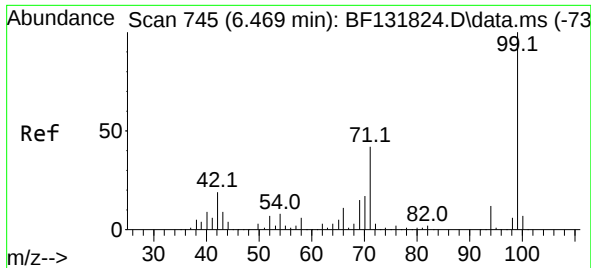


#5  
 2-Fluorophenol  
 Concen: 142.077 ng  
 RT: 5.422 min Scan# 567  
 Delta R.T. 0.023 min  
 Lab File: BF131945.D  
 Acq: 06 Jan 2023 17:24



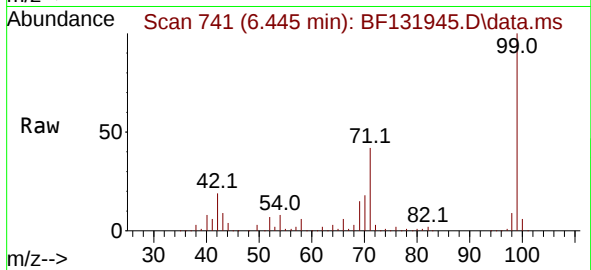
Tgt Ion:112 Resp: 516409  
 Ion Ratio Lower Upper  
 112 100  
 64 65.4 49.2 73.8  
 63 36.8 27.5 41.3



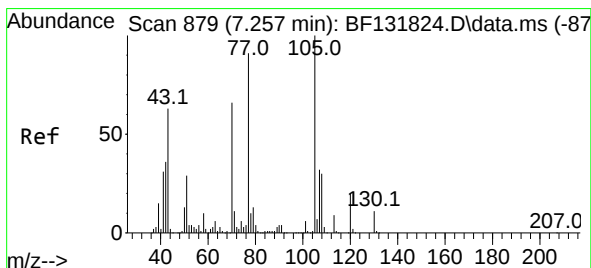
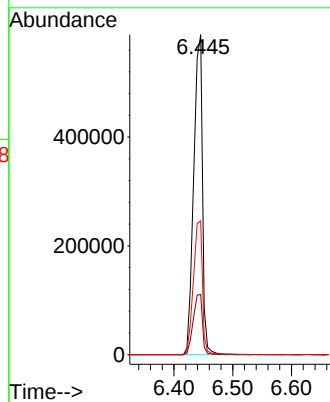
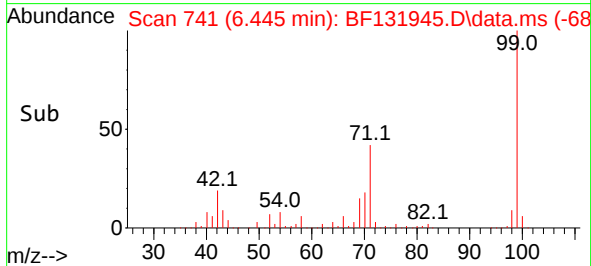


#7  
Phenol-d6  
Concen: 127.268 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

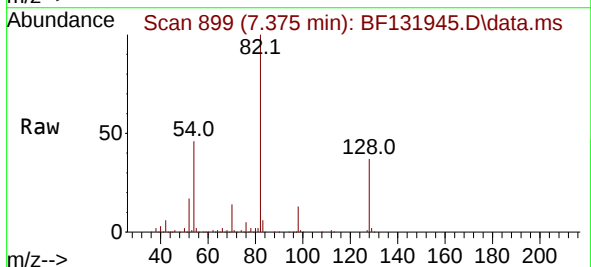
Instrument :  
BNA\_F  
ClientSampleId :



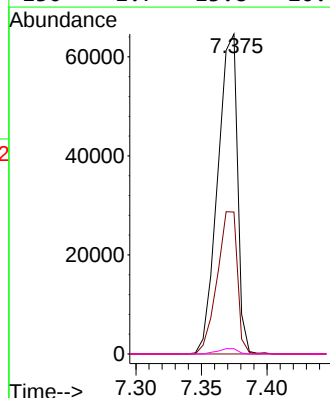
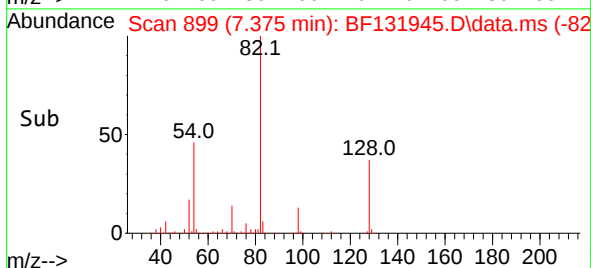
Tgt Ion: 99 Resp: 607745  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.3 22.9  
71 41.8 33.5 50.3

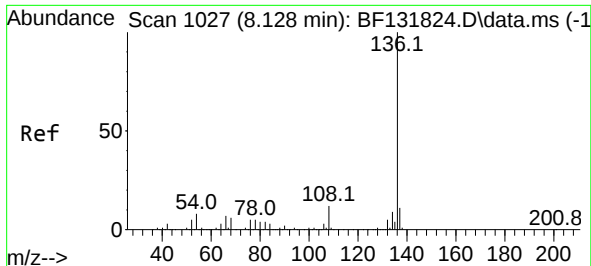


#19  
n-Nitroso-di-n-propylamine  
Concen: 20.080 ng  
RT: 7.375 min Scan# 899  
Delta R.T. 0.153 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24



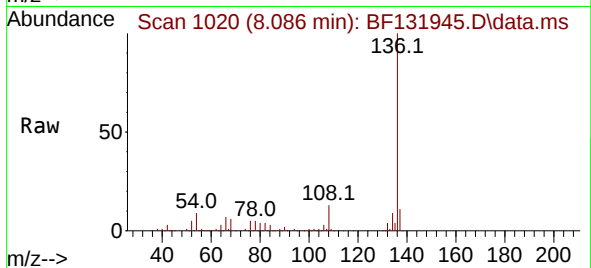
Tgt Ion: 70 Resp: 67722  
Ion Ratio Lower Upper  
70 100  
42 44.4 43.8 65.6  
101 0.0 7.4 11.0#  
130 1.7 13.8 20.6#



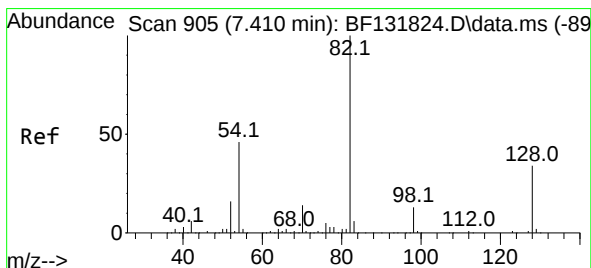
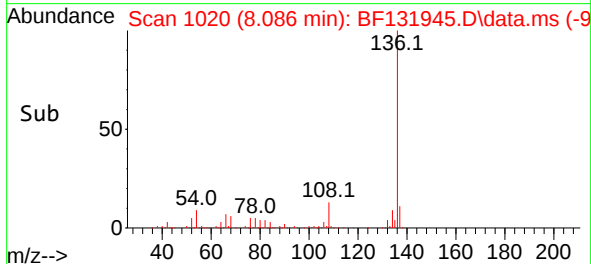
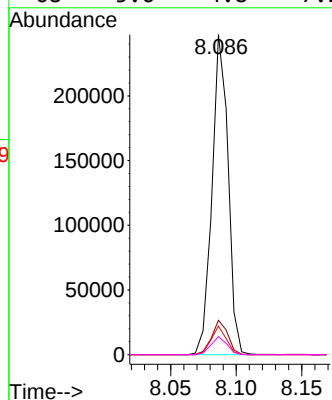


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.086 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

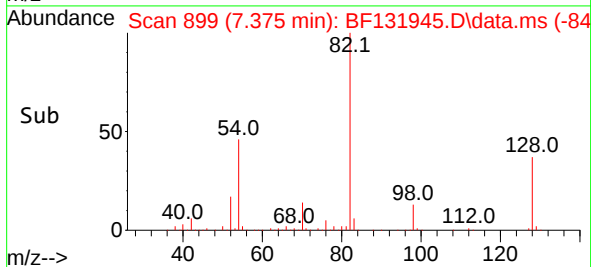
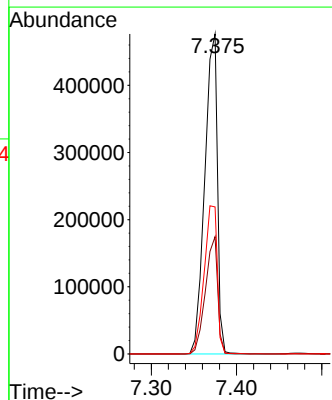
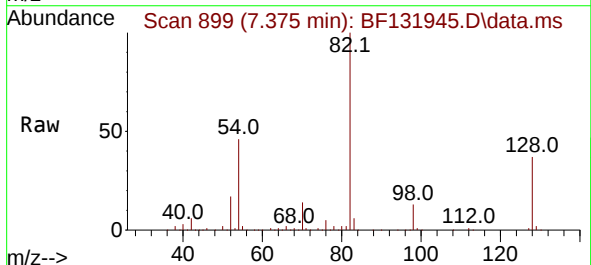


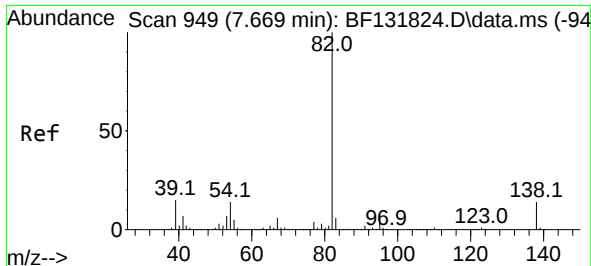
Tgt Ion:136 Resp: 210893  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 8.9 6.7 10.1  
68 5.6 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 92.761 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

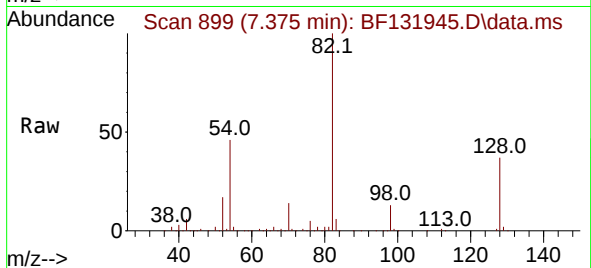
Tgt Ion: 82 Resp: 489979  
Ion Ratio Lower Upper  
82 100  
128 36.6 27.1 40.7  
54 46.0 37.0 55.6



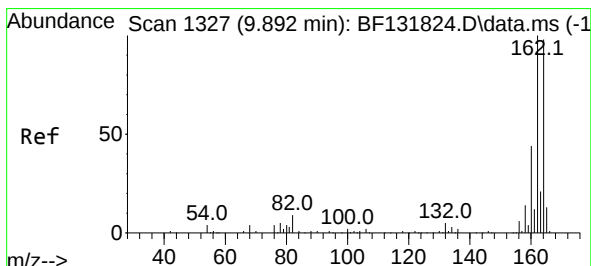
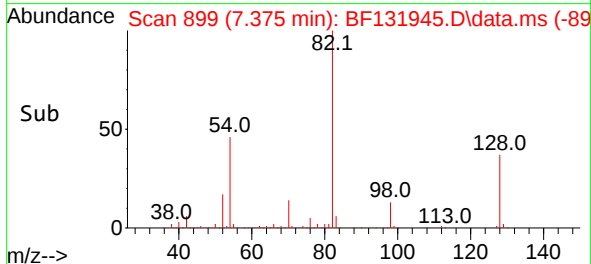
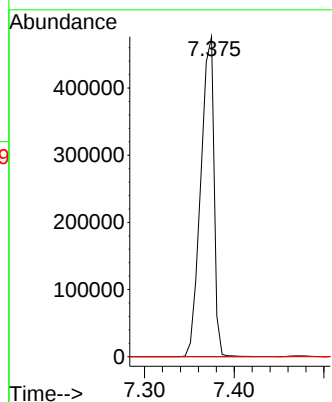


#25  
Isophorone  
Concen: 56.801 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.253 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

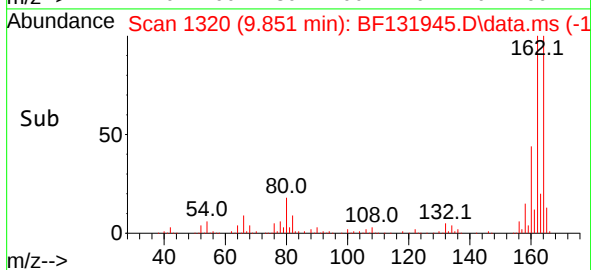
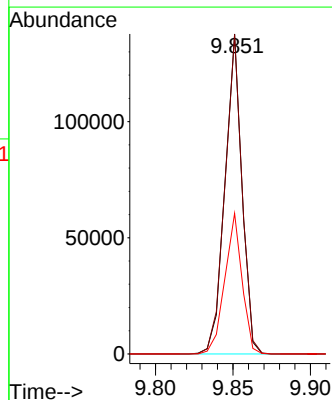
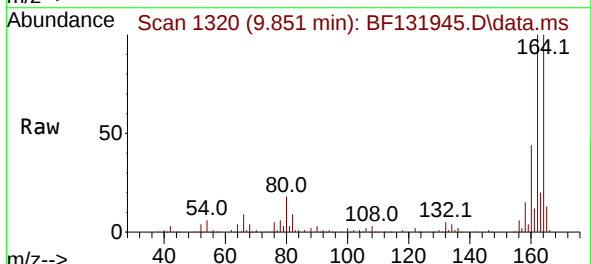


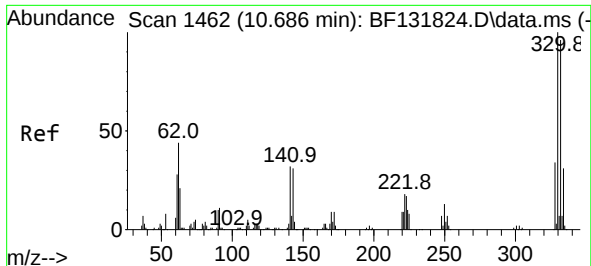
Tgt Ion: 82 Resp: 489976  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 11.5 17.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

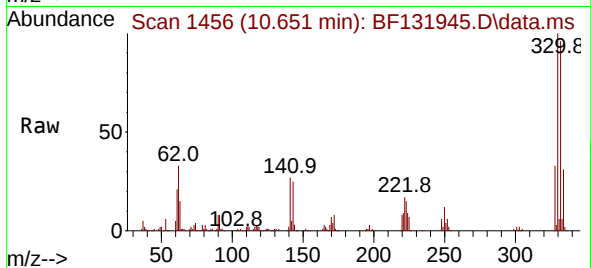
Tgt Ion:164 Resp: 104876  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.8 122.6  
160 44.0 35.7 53.5



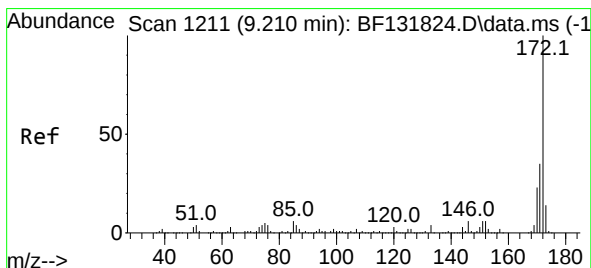
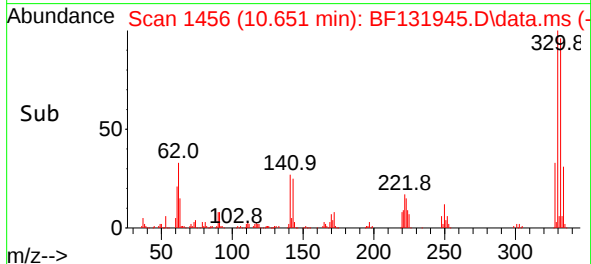
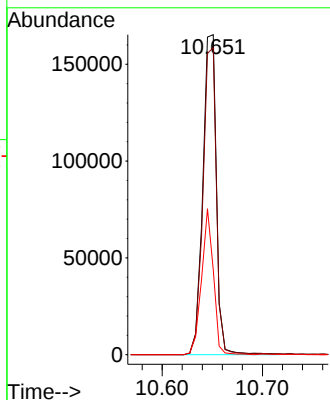


#42  
2,4,6-Tribromophenol  
Concen: 137.374 ng  
RT: 10.651 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

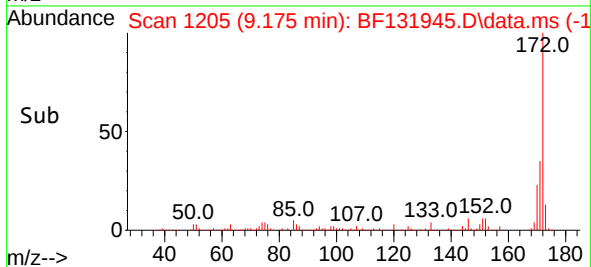
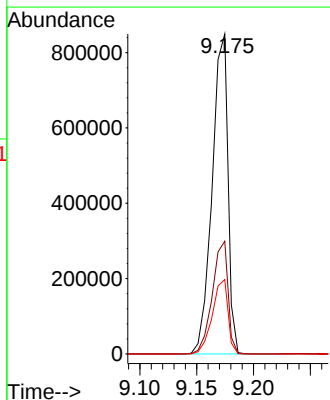
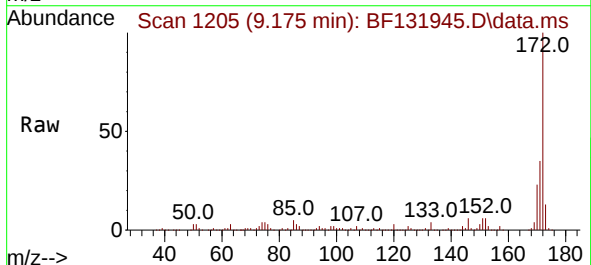


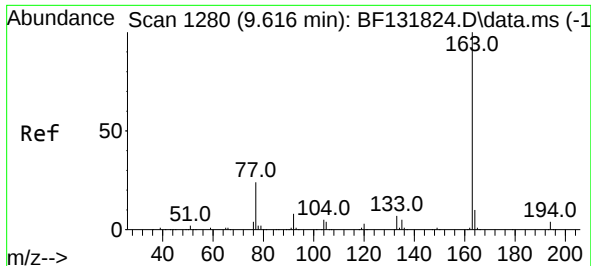
Tgt Ion:330 Resp: 156535  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.0 115.4  
141 39.5 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 107.580 ng  
RT: 9.175 min Scan# 1205  
Delta R.T. 0.006 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Tgt Ion:172 Resp: 823708  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.9 41.9  
170 23.2 18.7 28.1

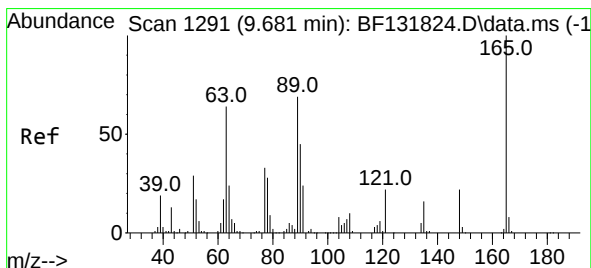
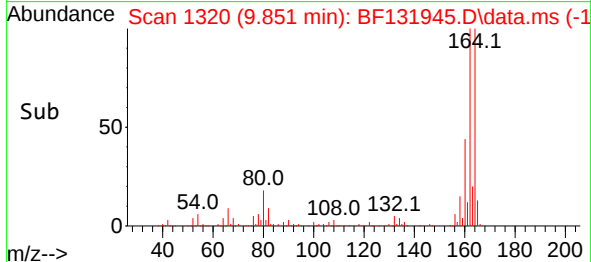
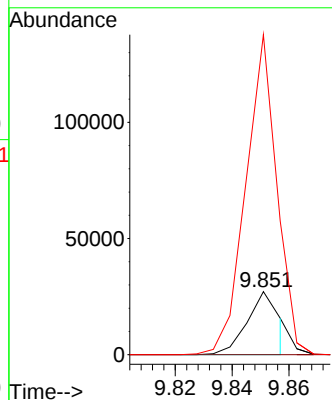
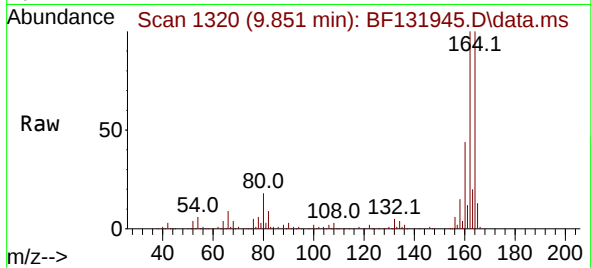




#50  
Dimethylphthalate  
Concen: 2.680 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. 0.271 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

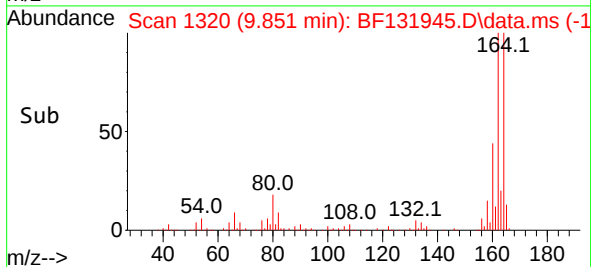
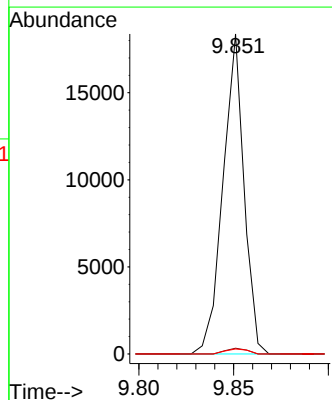
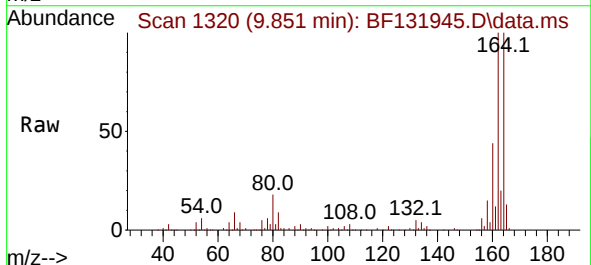
Instrument :  
BNA\_F  
ClientSampleId :

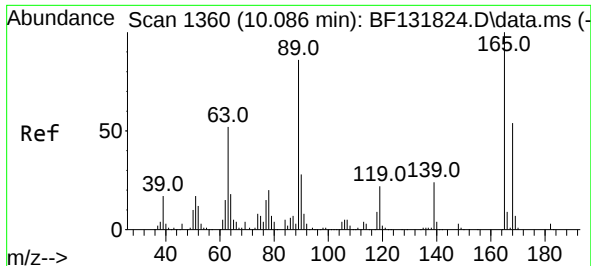
Tgt Ion:163 Resp: 21261  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.6#  
164 507.1 8.2 12.4#



#51  
2,6-Dinitrotoluene  
Concen: 8.259 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. 0.206 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

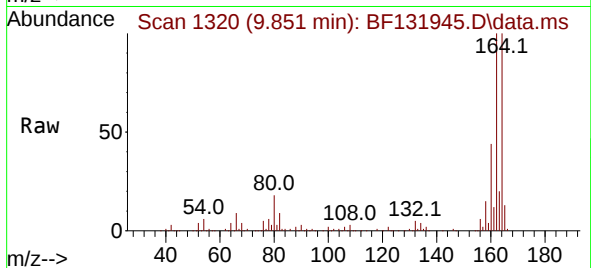
Tgt Ion:165 Resp: 14186  
Ion Ratio Lower Upper  
165 100  
63 1.8 55.1 82.7#  
89 1.6 55.0 82.4#



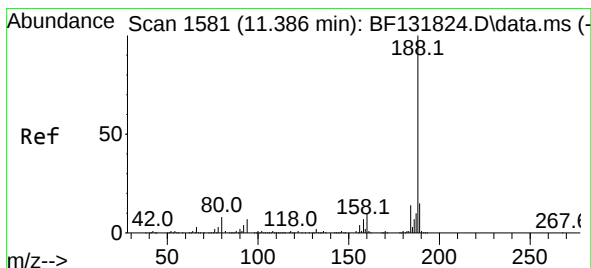
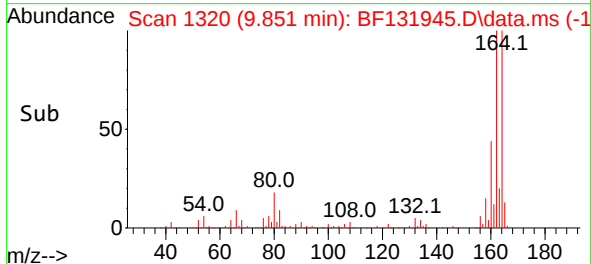
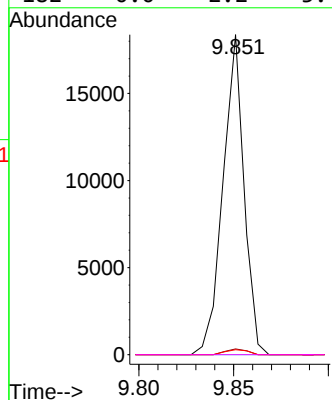


#57  
2,4-Dinitrotoluene  
Concen: 6.039 ng  
RT: 9.851 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

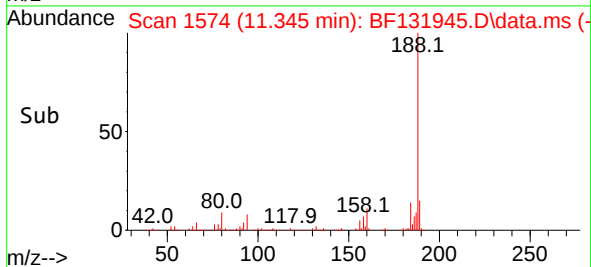
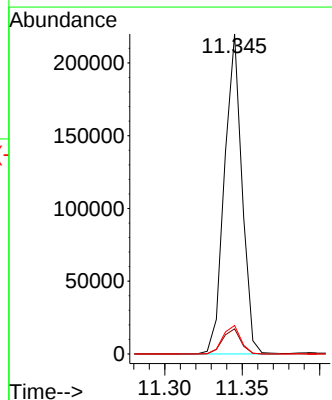
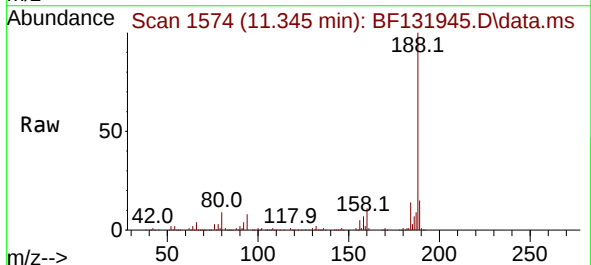


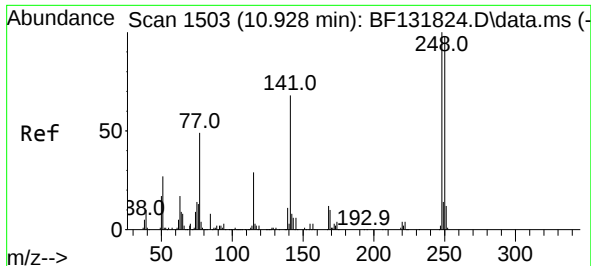
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 14186  |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 1.8   | 42.1  | 63.1#  |
| 89       | 1.6   | 69.1  | 103.7# |
| 182      | 0.0   | 2.2   | 3.4#   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

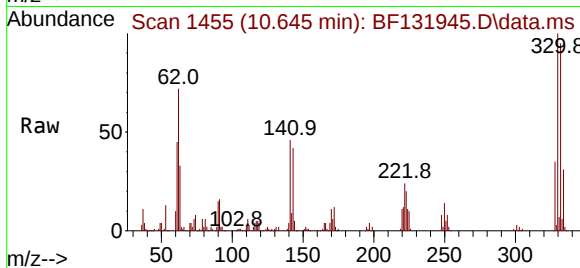
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 172551 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.9   | 5.8   | 8.6    |
| 80       | 8.9   | 6.7   | 10.1   |



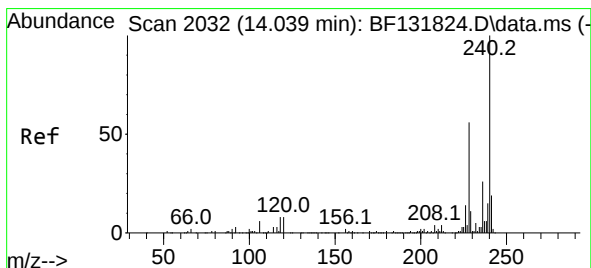
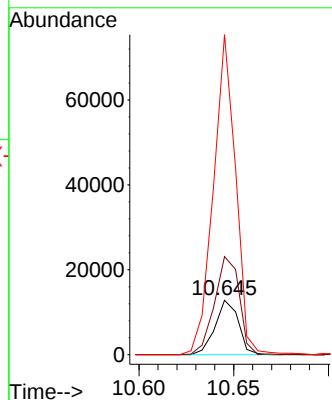
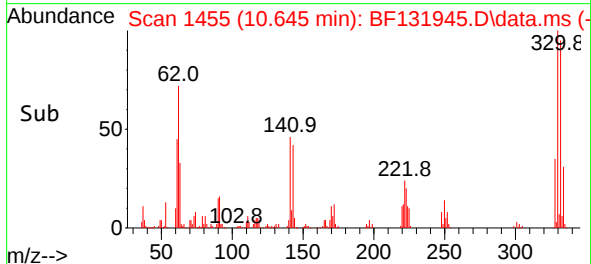


#67  
4-Bromophenyl-phenylether  
Concen: 5.460 ng  
RT: 10.645 min Scan# 14  
Delta R.T. -0.241 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

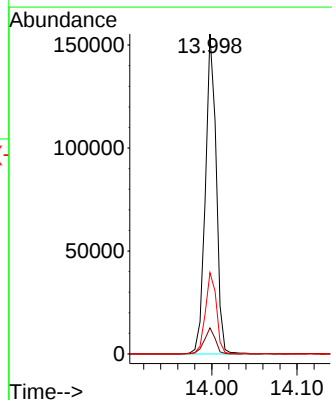
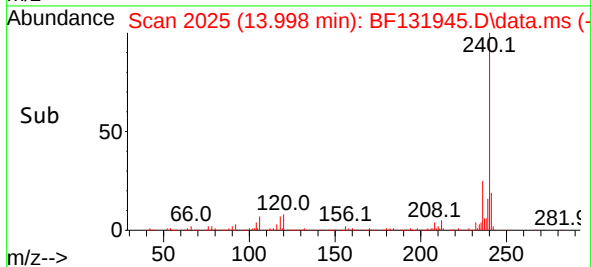
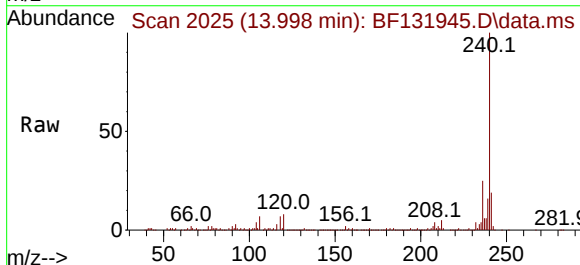


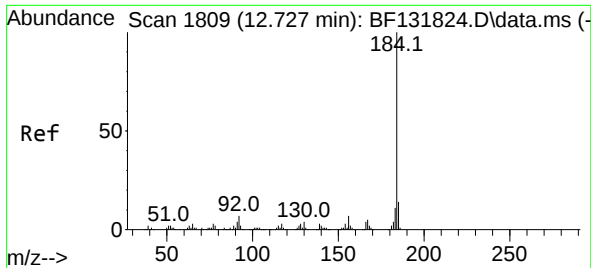
Tgt Ion:248 Resp: 10919  
Ion Ratio Lower Upper  
248 100  
250 180.3 78.0 117.0#  
141 588.3 54.8 82.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Tgt Ion:240 Resp: 137131  
Ion Ratio Lower Upper  
240 100  
120 8.2 6.7 10.1  
236 25.4 20.6 31.0

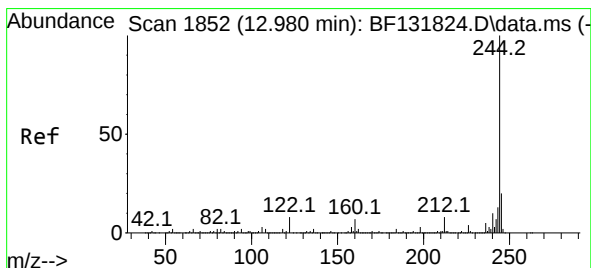
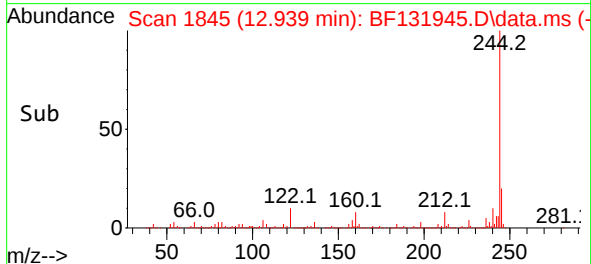
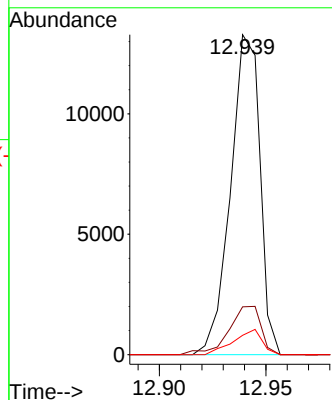
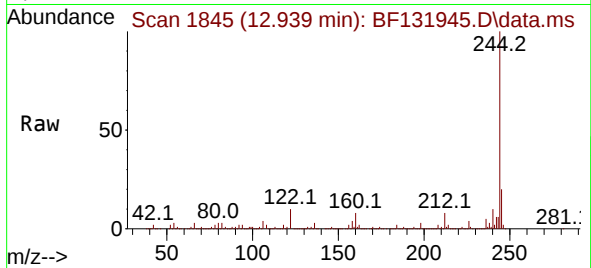




#77  
Benzidine  
Concen: 5.649 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. 0.253 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

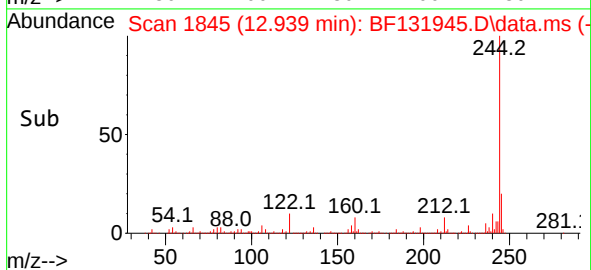
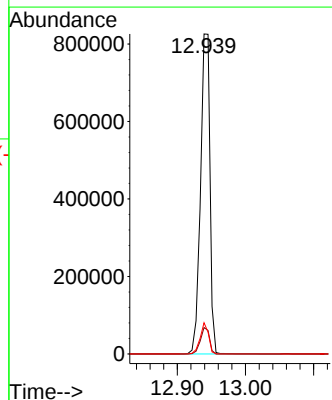
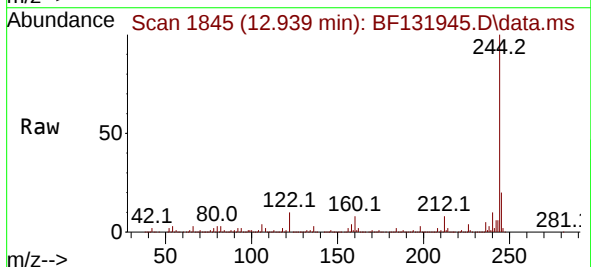
Instrument :  
BNA\_F  
ClientSampleId :

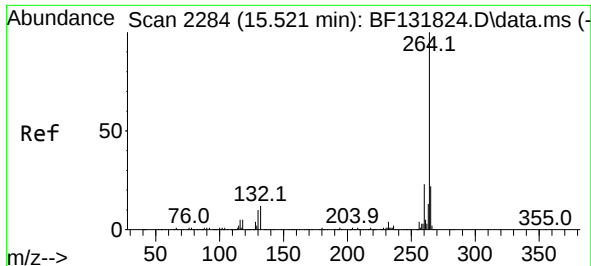
Tgt Ion:184 Resp: 12731  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.6 17.4  
183 6.1 9.0 13.4#



#79  
Terphenyl-d14  
Concen: 98.187 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Tgt Ion:244 Resp: 795999  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.3 9.5  
122 9.8 6.4 9.6#

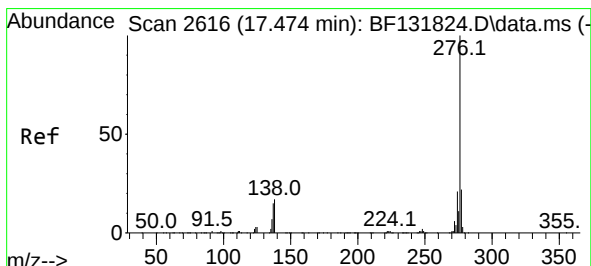
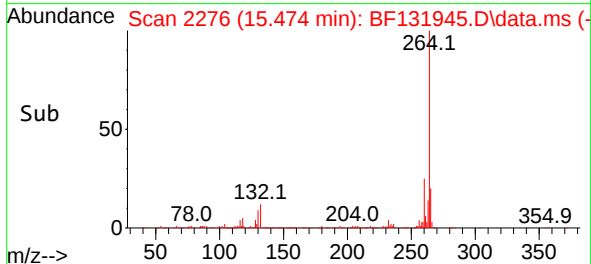
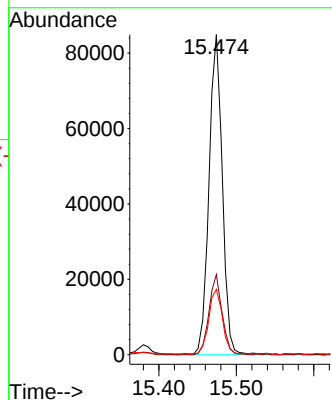
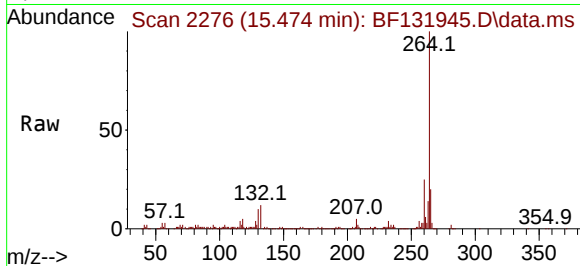




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.474 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:264 Resp: 101327  
Ion Ratio Lower Upper  
264 100  
260 25.1 18.6 28.0  
265 20.4 17.4 26.0



#92  
Benzo(g,h,i)perylene  
Concen: 5.575 ng  
RT: 17.398 min Scan# 2603  
Delta R.T. -0.000 min  
Lab File: BF131945.D  
Acq: 06 Jan 2023 17:24

Tgt Ion:276 Resp: 2294  
Ion Ratio Lower Upper  
276 100  
277 38.0 17.9 26.9#  
138 17.9 13.7 20.5

